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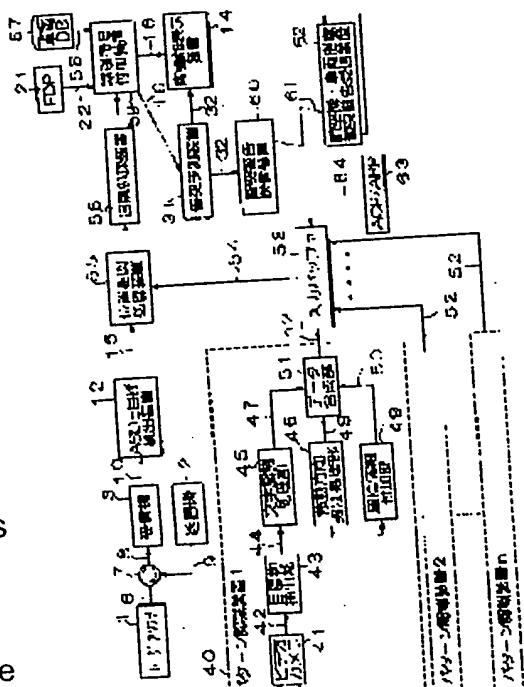
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(54) AIRPORT GROUND SURFACE MONITOR DEVICE

(57) Abstract:

PROBLEM TO BE SOLVED: To provide an airport ground surface monitor device which can reduce control operations by an air-traffic controllers and increase safety in an airport ground surface, by recognizing positions and identification numbers of all airplanes and vehicles moving on the airport ground surface in a congested state and automatically sending a collision alarm to objects which may possibly collide.

SOLUTION: The flight names, vehicle numbers, moving directions, and positions of all the airplanes and vehicles on the airport ground surface are recognized by using image data of video cameras 41 installed at different places on the airport and character recognition by image processing and displayed while correlated with an airport ground surface detection radar. Further, this device is equipped with a collision alarm transmission device 60 which automatically sends a collision alarm to the airport ground surface and an airplane/ vehicle-mounted collision alarm reception device 62 which receives the information and generates an alarm.



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